

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	8	(self?deform\$4 or deform\$4 or membrane) same (passive or inactive) same (piezo\$) same (stress\$4 or load or force \$4) same (mirror or reflect\$4 or deflect\$4)	US-PGPUB; USPAT; USOCR; IPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 11:28
S1	2	("20050254111").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/30 11:45
S2	1022	(359/846-849).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/30 11:45
S3	113958	(flexible or compliant or rubber or resilient) near3 (support)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 10:38
S4	52	S2 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 11:47
S5	12	("3945015" I "4629297" I "4655563" I "4726671" I "5473852" I "5545040").PN. OR ("6402329").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/30 11:58
S6	35	("3620606" I "3904274" I "3923400" I "4091274").PN. OR ("4655563").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/30 12:07
S7	18	("4226507" I "4295710" I "4408832" I "4655563" I "4657358" I "4725144" I "4875765" I "4906087" I "4934803" I "4959531" I "5035497" I "5037184").PN. OR ("5414564").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/30 12:12
S8	14	("3182552" I "4245895" I "4420223" I "4502200" I "4632523" I "5035495" I "5151809" I "5160780" I "5414564" I "5434697").PN. OR ("5877905").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/30 12:13

S9	15	("3977773").PN. OR ("4245895").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/30 12:19
S10	9	("4295710"   "4408832"   "4601554"   "4732440"   "5052793"   "5204784"   "5592336").PN. OR ("5831780").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/30 12:48
S11	1022	(359/846-849).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/30 16:19
S12	237	S11 and (rubber or foam or epoxy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 16:19
S13	1762060	electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 16:19
S14	39	S12 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 16:19
S15	12	("3836236"   "3897139"   "4266857"   "4734557"   "5249197"   "5617261"   "5763965"   "5797228"   "5880894"   "5896234"   "6305657").PN. OR ("6568647").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/30 16:22
S16	48	("3667830").PN. OR ("3746785").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/31 10:38
S17	6659	(flexible or compliant or rubber or resilient) near3 (button)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 10:42
S18	12571	(359/838-884).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/31 10:39
S19	1022	(359/846-849).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/31 10:39
S20	21	(S19 or S18) and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 10:41

S21	12571	(\$18 or \$19)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 10:41
S22	8938	(flexible or compliant or rubber or resilient) near3 (post or pillar)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 10:42
S23	35	S21 and S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 10:42
S24	2517	epoxy near2 flexible	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 10:57
S25	1	S19 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 10:58
S26	3	S18 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 11:00
S27	5513	foam near3 conduct\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 11:02
S28	404	S27 with electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 11:01
S29	242	S27 near5 electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 11:01
S30	0	S18 and S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 11:01
S31	701007	mirror	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 11:01
S32	13	S28 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 11:01

S33	4662	foam near metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 11:02
S34	0	S18 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 11:02
S35	166	S31 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/31 12:02
S36	2	("4670338").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/31 12:35
S37	5	("20030107796"   "4196972"   "4844603"   "6398373"   "6425671").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/31 12:35
S38	15	(US-20050254111-\$ or US- 20030234989-\$).did. or (US- 4226507-\$ or US-4655563-\$ or US-6543740-\$ or US- 6984049-\$ or US-5414564-\$ or US-4670338-\$ or US- 5831780-\$ or US-5877905-\$ or US-6402329-\$ or US- 4245895-\$ or US-6568647-\$ or US-3746785-\$ or US- 5359520-\$).did.	US-PGPUB; USPAT	OR	ON	2008/01/16 11:37
S39	1	("20050254111").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/17 07:05
S40	77	((MICHAEL) near2 (GRIFFITH)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/17 08:34
S41	7	((LESLIE) near2 (LAYCOCK)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/17 08:34
S42	9	((NICHOLAS) near2 (ARCHER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/17 08:34
S43	16	((ANDREW) near2 (MCCARTHY)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/17 08:34
S44	15	(US-20050254111-\$ or US- 20030234989-\$).did. or (US- 4226507-\$ or US-4655563-\$ or US-6543740-\$ or US- 6984049-\$ or US-5414564-\$ or US-4670338-\$ or US- 5831780-\$ or US-5877905-\$ or US-6402329-\$ or US- 4245895-\$ or US-6568647-\$ or US-3746785-\$ or US- 5359520-\$).did.	US-PGPUB; USPAT	OR	ON	2008/01/17 09:13

S45	11	S44 and (bandwidth or stroke or fast or quick\$2 or displace \$4 or far)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 09:20
S46	10	S44 and (bandwidth or stroke or fast or quick\$2 or displace \$4 or far or bimorph)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 09:25
S47	11	S44 and (bandwidth or stroke or fast or quick\$2 or displace \$4 or far or bimorph)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 09:25
S48	2	S44 and (bimorph)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 09:26
S49	11	S44 and (frequency or bandwidth or stroke or fast or quick\$2 or displace\$4 or far or bimorph)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 09:29
S50	7	S44 and (frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 09:29
S51	101	S40 S41 S42 S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:19
S52	6	S51 and (deform\$4 or bimorph)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:20
S53	13389	(359/838-884).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/30 11:23
S54	1129	(359/846-849).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/30 11:23
S55	13389	(S53 or S54)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/30 11:23

S56	1510729	@pd>="20080115"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/30 11:23
S57	307	S55 and S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/30 11:24
S58	124345	(flexible or compliant or rubber or resilient) near3 (support)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/30 11:24
S59	2	S57 and S58	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/30 11:24
S60	3498036	(flexible or compliant or rubber or resilient)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/30 11:24
S63	82	S60 and S57	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/30 11:25
S64	1	("4655563").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/30 11:40
S65	2	("20050254111").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/30 15:24
S66	2	((("4655563") or ("4670338")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/22 10:44
S67	0	piezo\$ and S66	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 10:45
S68	1157	(359/846-849).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/22 10:45
S69	274	piezo\$ and S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 10:45

S70	13622	(359/838-884).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/22 10:46
S71	13622	(359/838-884).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/22 10:48
S72	1157	(359/846-849).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/22 10:48
S73	13622	(S71 or S72)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/22 10:48
S74	3045124	@pd>="20080115"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 10:48
S75	532	S73 and S74	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 10:48
S76	1364586	@pd>="20080915"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 10:51
S77	246	S75 and S76	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 10:51
S78	274	piezo\$ and S72	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 10:53

S79	17	(US-20050254111-\$ or US-20030234989-\$).did. or (US-4226507-\$ or US-4655563-\$ or US-6543740-\$ or US-6984049-\$ or US-5414564-\$ or US-4670338-\$ or US-5831780-\$ or US-5877905-\$ or US-6402329-\$ or US-4245895-\$ or US-6568647-\$ or US-3746785-\$ or US-5359520-\$ or US-4239343-\$ or US-4295710-\$).did.	US-PGPUB; USPAT	OR	ON	2009/04/24 11:51
S80	10	piczo\$ and S79	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/24 11:51
S81	13834	(359/838-884).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/03 10:06
S82	1192	(359/846-849).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/03 10:06
S83	13834	(S81 or S82)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/03 10:06
S84	4648074	@pd>="20080115"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 10:06
S85	744	S83 and S84	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 10:06
S86	3081708	@pd>="20080915"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 10:06
S87	458	S85 and S86	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 10:06

S88	1583172	@pd>="20090415"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 10:06
S89	218	S87 and S88	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 10:14
S90	17	piezo\$ and S89	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 10:15
S91	17	(US-20050254111-\$ or US-20030234989-\$).did. or (US-4226507-\$ or US-4655563-\$ or US-6543740-\$ or US-6984049-\$ or US-5414564-\$ or US-4670338-\$ or US-5831780-\$ or US-5877905-\$ or US-6402329-\$ or US-4245895-\$ or US-6568647-\$ or US-3746785-\$ or US-5359520-\$ or US-4239343-\$ or US-4295710-\$).did.	US-PGPUB; USPAT	OR	ON	2009/12/03 10:39
S92	10	piezo\$ and S91	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 10:39
S93	9	S92 and (forc\$4 or load or stress\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 10:40

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	4	(self?deform\$4 or deform\$4 or membrane) same (passive or inactive) same (piezo\$) same (stress\$4 or load or forc\$4) same (mirror or reflect\$4 or deflect\$4)	USPAT; UPAD	OR	ON	2009/12/03 11:30

12/3/2009 11:31:51 AM

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